

Fig. 1

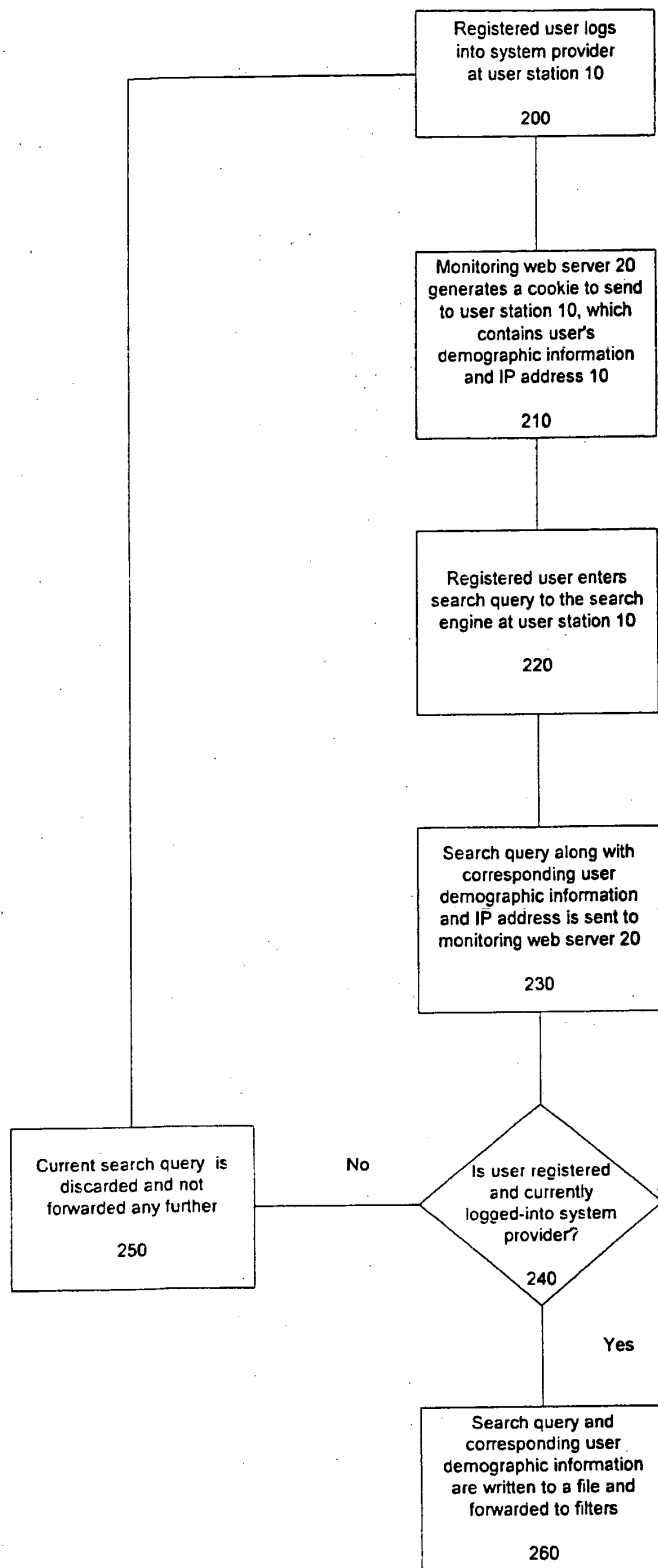


Fig. 2

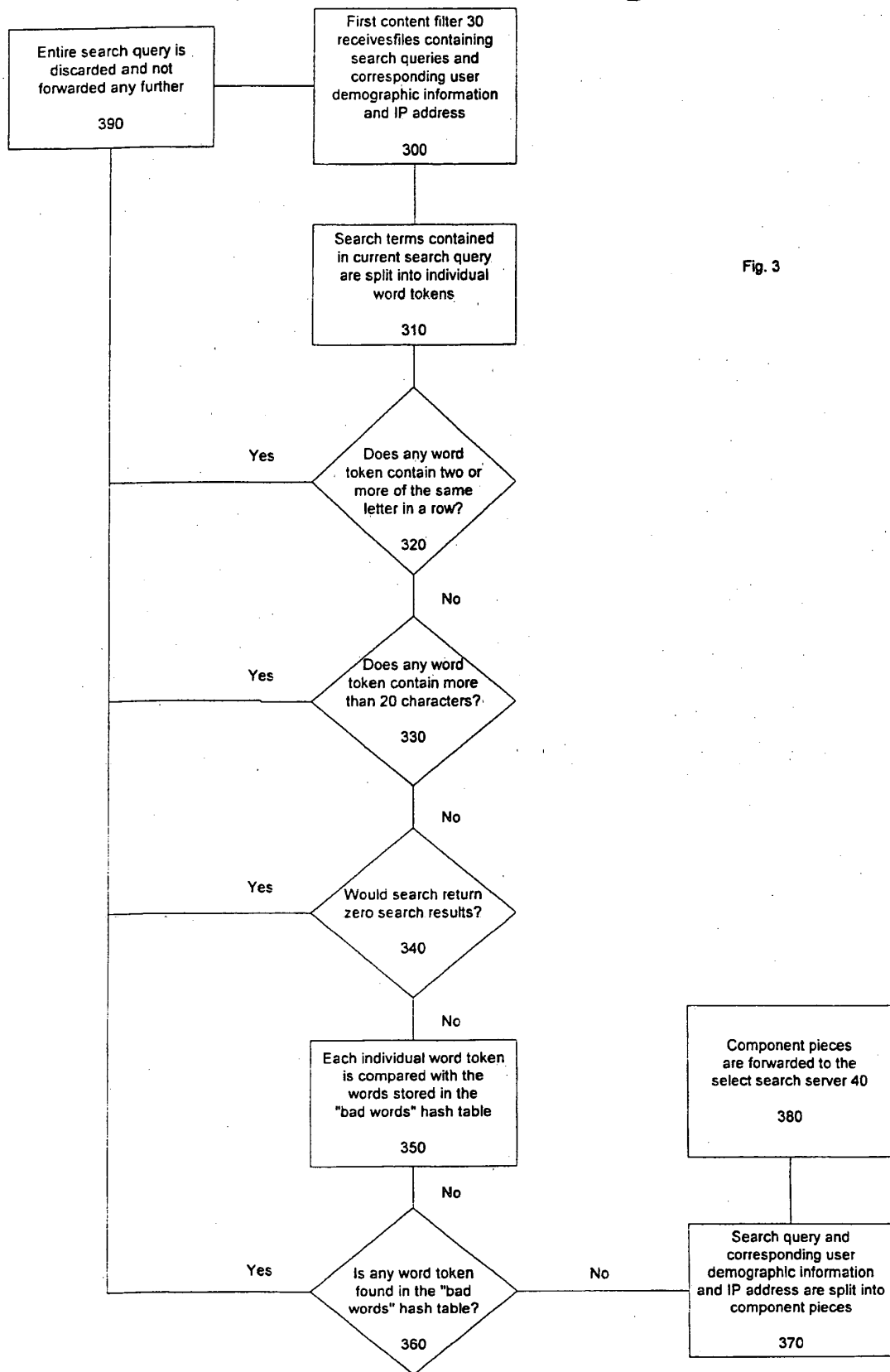


Fig. 3

Read/write module 50
receives component
packets from first
content filter 30

400

Fig. 4

Read/write module 50
reads search query and
corresponding user
demographic information
contained in current packet

410

Read/write module 50
writes each search query
and corresponding user
demographic information
into a stream log file

420

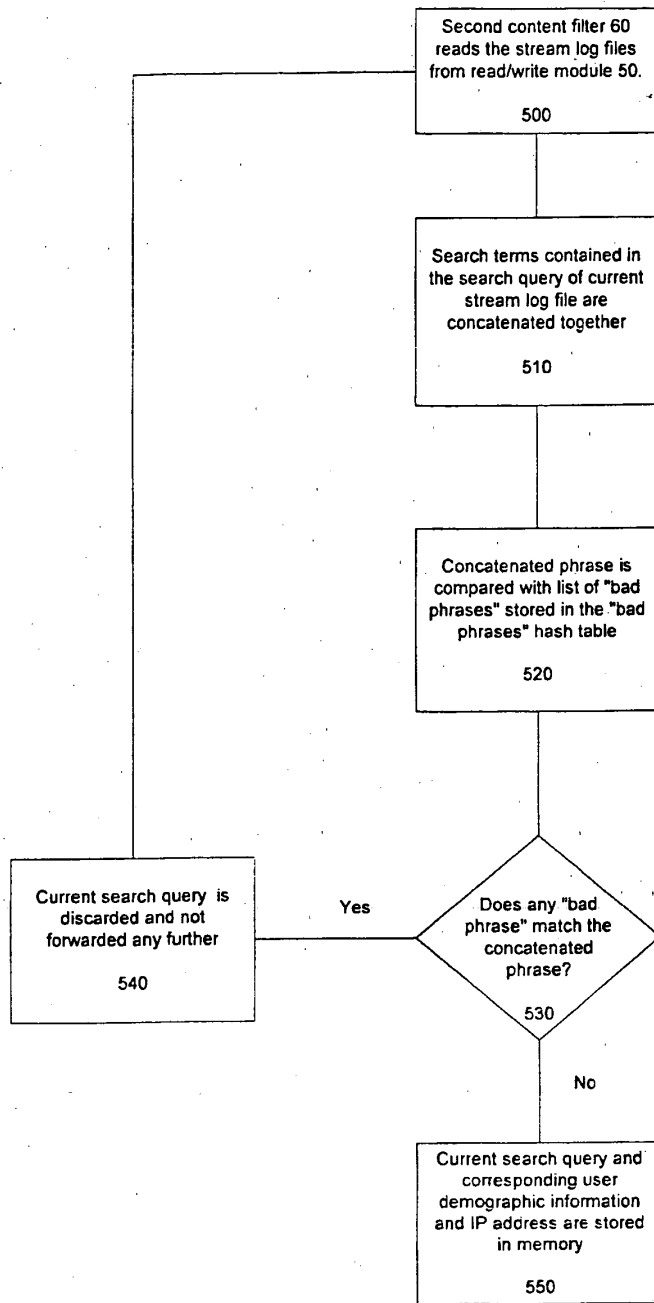


Fig. 5

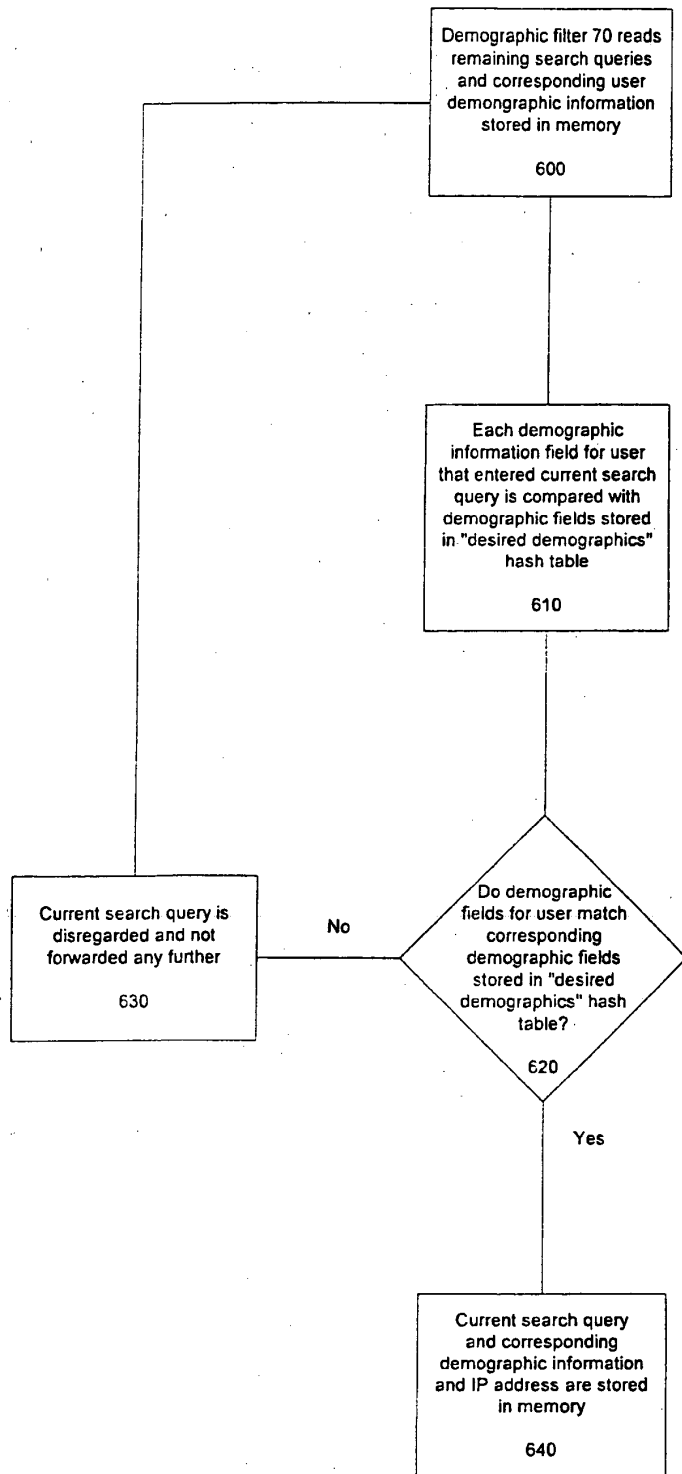


Fig. 6

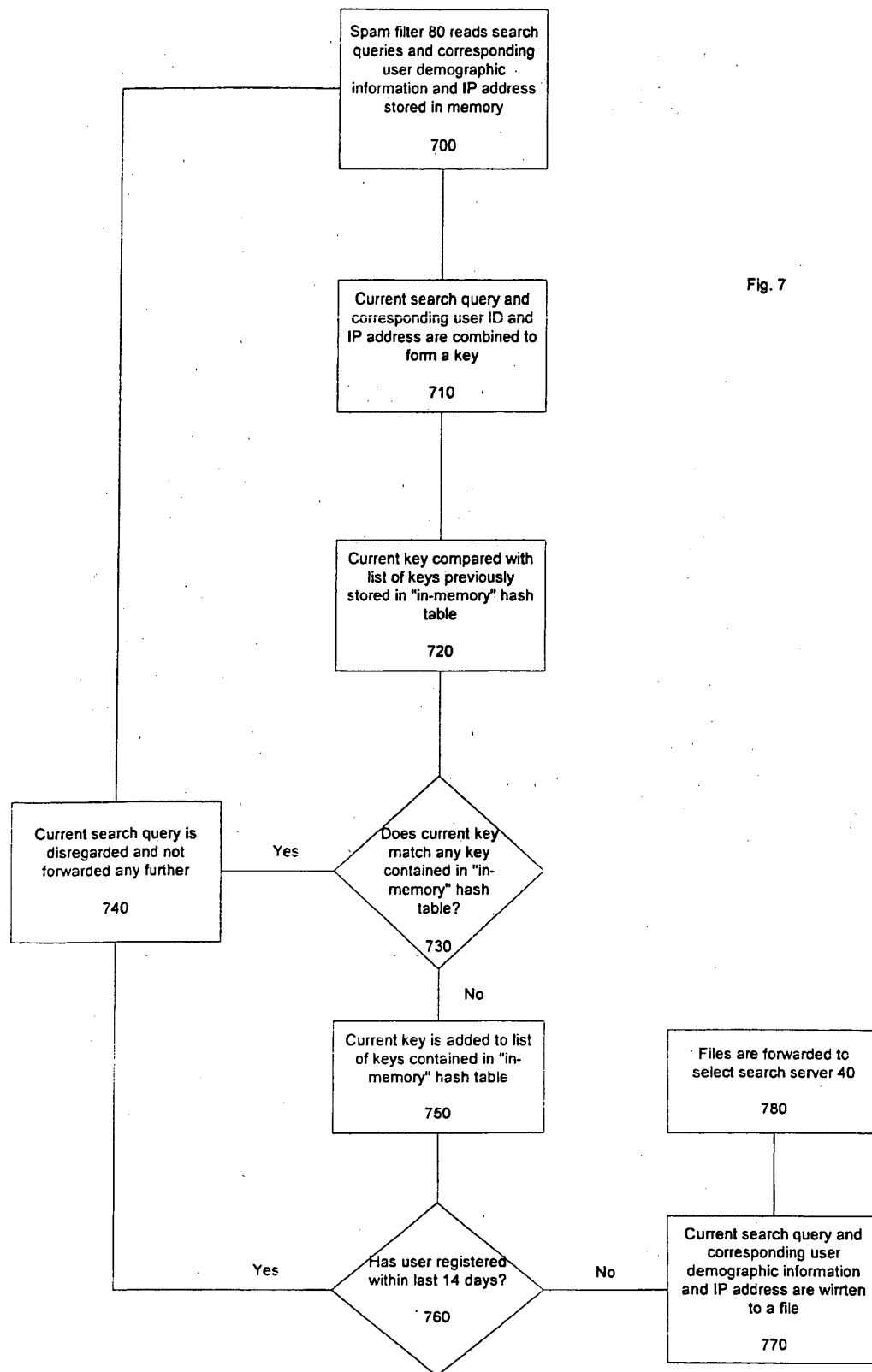


Fig. 7

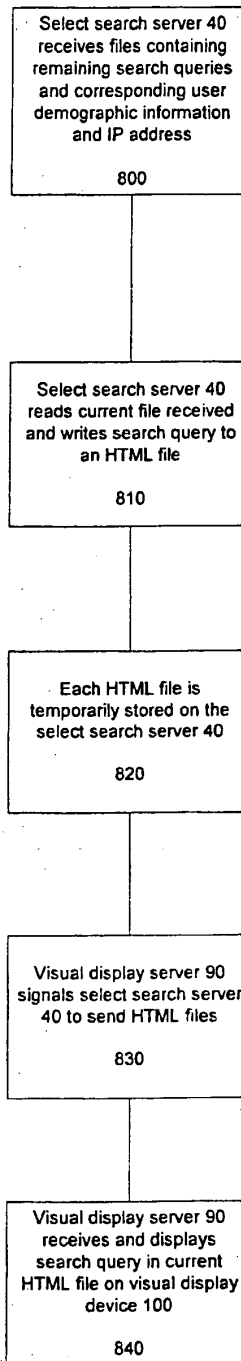
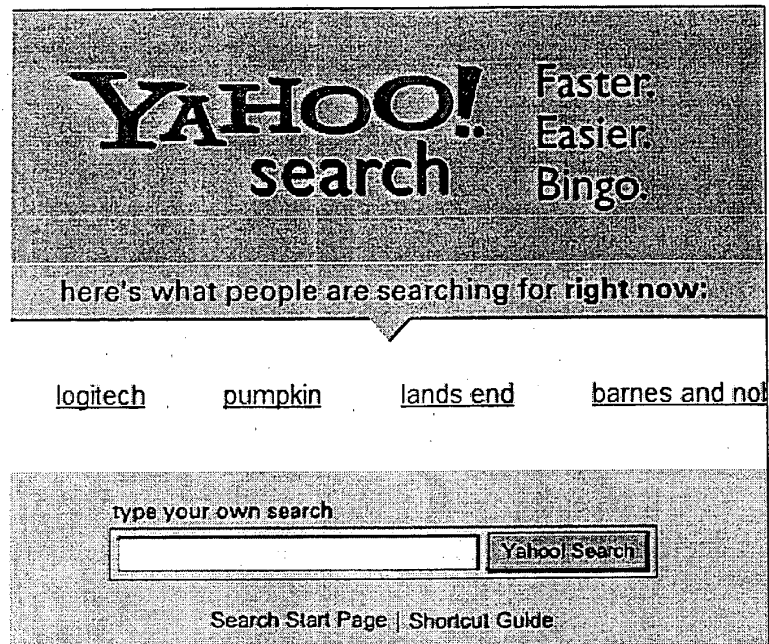


Fig. 8

FIG. 9c



COMPANY INFO/ LOGO	AD CONTENT		
930a	940a		
	QUERY-1 910a	QUERY-2 910a	QUERY-N 910a
	920a		

FIG. 9a

900a

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FIG. 9b

940b

YAHOO! search
Faster. Easier. Bingo.

here's what people are searching for:

Pumpkin matrix halloween 920b

type your own search

Yahoo! Search

900b

910b

930b

```
// shim will look for the following variables which will be
// supplied by the ad unit:
// nqIn = number of terms to get from the CGI - required!
// ageIn = age range (all:0-150/default, 1:0-18, 2:18-25, 3:25-
35, 4:35-50, 5:50-150)
// genIn = gender (m-male, f-female, a-all) - not required
// zipIn = zip code - not required
// radIn = radius around zip-code - not required
```

BLOCK 1:

```
var extraParams = "";
if ( (nqIn < 1) or (nqIn == undefined) ) nqIn = 20;
if ( ageIn != undefined ) { extraParams += "&age="+ageIn; }
if ( genIn != undefined ) { extraParams += "&gen="+genIn; }
if ( zipIn != undefined ) { extraParams += "&zip="+zipIn; }
if ( radIn != undefined ) { extraParams += "&rad="+radIn; }
```

BLOCK 2:

```
1: baseUrl =
"http://select.search.server.com/terms?q="+nqIn+"&r=x";
2: extraParams += "&rnd="+Math.random();
3: baseUrl += extraParams;
```

BLOCK 3:

```
buzz = new XML();
buzz.onLoad = parseResults;
buzz.ignoreWhite = true;
var listing=[];
buzz.load(baseUrl);
```

BLOCK 4:

```
var dataState = "loading";
```

BLOCK 5:

```
function parseResults(result) {

    if (result) {
        var items = buzz.firstChild;
        for (i=1; i<items.length; i++) {
            listing[i-1] = new Object();
            listing[i-1]["keyword"] = items[i].childNodes[0];
        }
        dataState = "available";
    }
    else
    {
        dataState = "unavailable";
    }
}
```

Fig. 10

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```

// This SWF looks for two variables
// delta = step size to take; dy=20 yields 2.0 pixels per
//frame
// offset = distance between keywords; can be negative to
// tighten up spacing between keyword blocks
// If they are not found, default values are set in frame
// 15 of this level.
// ttw = "time to wait" in seconds - defaults to 5 seconds
// (in this frame--see below)

// shim.swf will look for variables as follows:
// n = number of terms to get from the CGI - defaults to 20 if
not set
// a = age range (all:0-150/default, 1:0-18, 2:18-25, 3:25-35,
4:35-50, 5:50-150)
// gen = gender (m-male, f-female, a-all) - not required
// zip = zip code - not required
// rad = radius around zip-code - not required
//
// EXAMPLE:
// To get a scroll of 20 keywords from users in ZIP code
//94089, load this scroller as follows:
//
ticker.loadMovie("http://path_to_scroller_SWF/vscroll_300x300.sw
f?n=20&zc=94089")

```

BLOCK 1:

```

pShim.loadMovie("http://select.search.server.com/shim.swf?qIn="
+ nq + "&ageIn="+a+"&genIn="+gen+"&zipIn="+zip+"&radIn="+rad)

```

BLOCK 2:

```

var scrollStatus = "loading"

```

BLOCK 3a:

```

var startTime = getTimer()

```

BLOCK 3b:

```

if ( ttw == undefined ){ ttw = 5;}

```

Fig. 11

BLOCK 1:

```
if ( ttw*1000 < (startTime - getTimer()) )
```

```
{
    scrollStatus = "unavailable";
    gotoAndStop(15);
}
else if ( pShim.dataState == "loading" )
```

BLOCK 2:

```
{
    gotoAndPlay(2);
    scrollStatus = "loading"
}
else
```

BLOCK 3:

```
{
    scrollStatus = pShim.dataState;
    gotoAndStop(15);
}
```

Fig. 12

```
// delta = step size to take; dy=20 yields 2.0 pixels per
// frame
// offset = distance between keywords; can be negative to
// tighten up spacing between keyword blocks
```

BLOCK 1:

```
if ( delta == undefined ){ delta = 20;}
```

BLOCK 2:

```
if ( offset == undefined ){ offset = 0;}
```

BLOCK 3:

```
offset = 1.0*offset;// coerce from string to number, just in
case
```

BLOCK 4:

```
initMove=move=delta/10
```

BLOCK 5:

```
isMoving=true
```

BLOCK 6:

```
function hmove(mc){
    if(!isMoving){
        move=0
    } else{
        move=initMove
    }
}
```

BLOCK 6a:

```
mc._x -= move
```

BLOCK 6b:

```
if(mc._x < -mc._width){
    mc._x+=2*xPos;
}
mc._x= Math.floor(mc._x)
}
```

BLOCK 7:

```
stop();
```

BLOCK 8a:

```
hoverColor="FF0000"
```

BLOCK 8b:

```
regularColor="0000FF"
```

Fig. 13a

BLOCK 9:

```
searchURL = "http://search.server.com/search?p=";
```

BLOCK 10:

```
if ( scrollStatus == "available" )
{
    var localListing = [];
    localListing = pShim.listing;
    formatResults(localListing);
}
```

BLOCK 11:

```
function formatResults(data) {
    xPos=0
    for (i=0; i<data.length; i++) {
        buzzMC1.attachMovie("item", "b"+i, i);
        buzzMC2.attachMovie("item", "b"+i, i);
        var mc1 = buzzMC1["b"+i];
        var mc2 = buzzMC2["b"+i];
        var head = data[i].keyword;
        var url = searchURL+escape(head);
        mc1.u = mc2.u=url;
        mc1.keyword = mc2.keyword = head;
        mc1.head = mc2.head="<font
color='#"+regularColor+"'><u>"+head+"</u></font>";
        mc1.txt = mc2.txt= head
        var txtWidth=pixelWidthArial(head, 10);
        mc1.buttonMC._width=mc2.buttonMC._width = txtWidth
        mc1._x = mc2._x=xPos;
        xPos += txtWidth+offset
    }
    buzzmc2._x +=xPos
}
```

Fig 136

BLOCK 1:

```
on(rollOver){
    _parent._parent._parent.isMoving=false
    _parent.head = "<font
color='#"+_parent._parent._parent.hoverColor+"'>"+_parent.txt +
"</font>"
}
```

BLOCK 2:

```
on(rollOut, dragOut){ // Block 2
    _parent._parent._parent.isMoving=TRUE
    _parent.head = "<font
color='#"+_parent._parent._parent.regularColor+"'><u>"+_parent.t
xt + "</u></font>"
}
```

BLOCK 3:

```
on(release){
    // function doClick(keyword) must be defined in the _root
    level or nothing happens
    _root.doClick(_parent.keyword)
}
```

Fig. 14

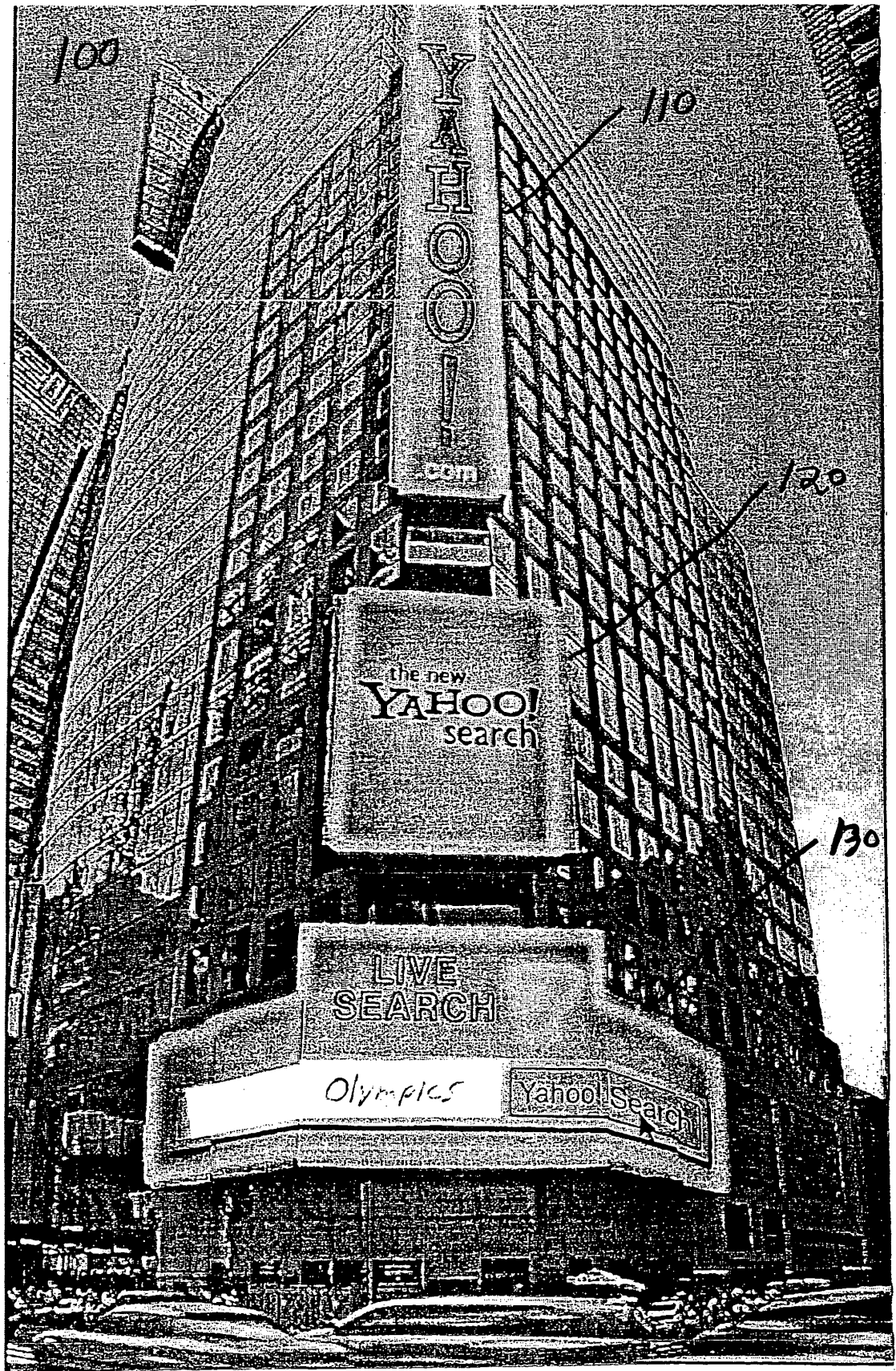


Fig. 15

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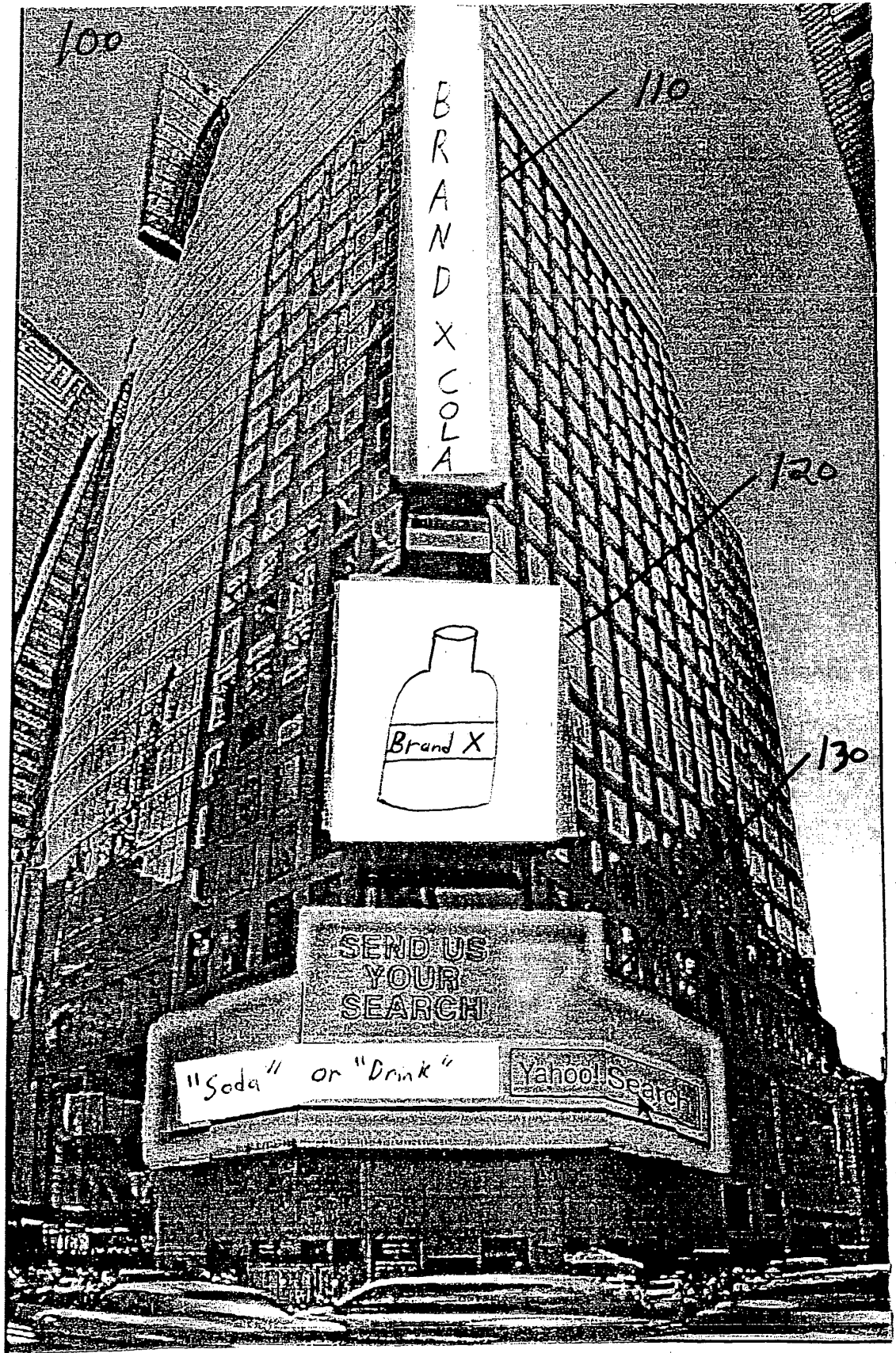
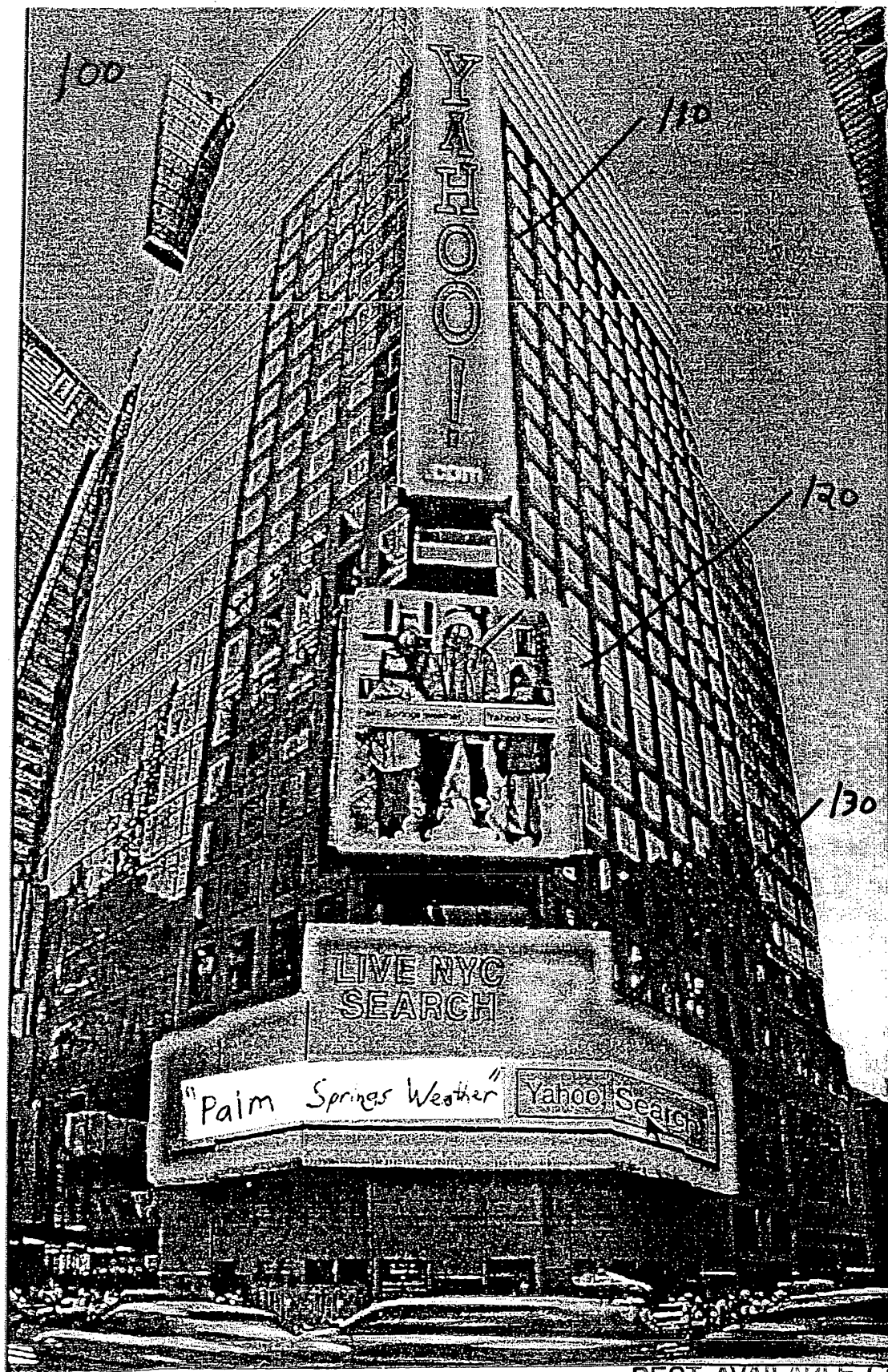


Fig. 16

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Fig. 17

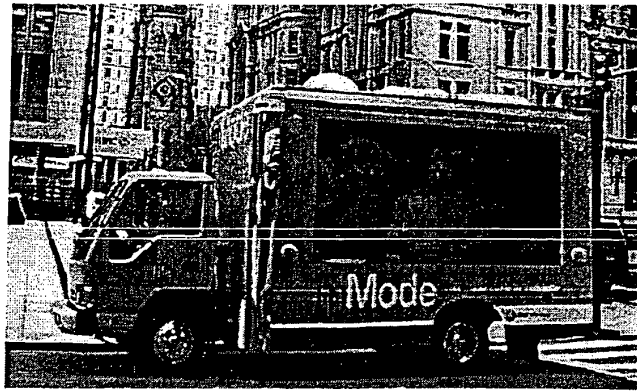


Fig. 18



Fig. 19

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